

Fenwick Island Bridge Replacement | BR 3-437 on SR 54 Lighthouse Road

Project Need

- Bridge Superstructure and Substructure Have Reached the End of Useful Service Life
- Piles Were Jacketed During 1980's Rehabilitation – Jackets in Poor Condition
- Full Replacement of Bridge is Necessary
- Bridge is Safe But the Work is Needed to Avoid Closure of the Bridge



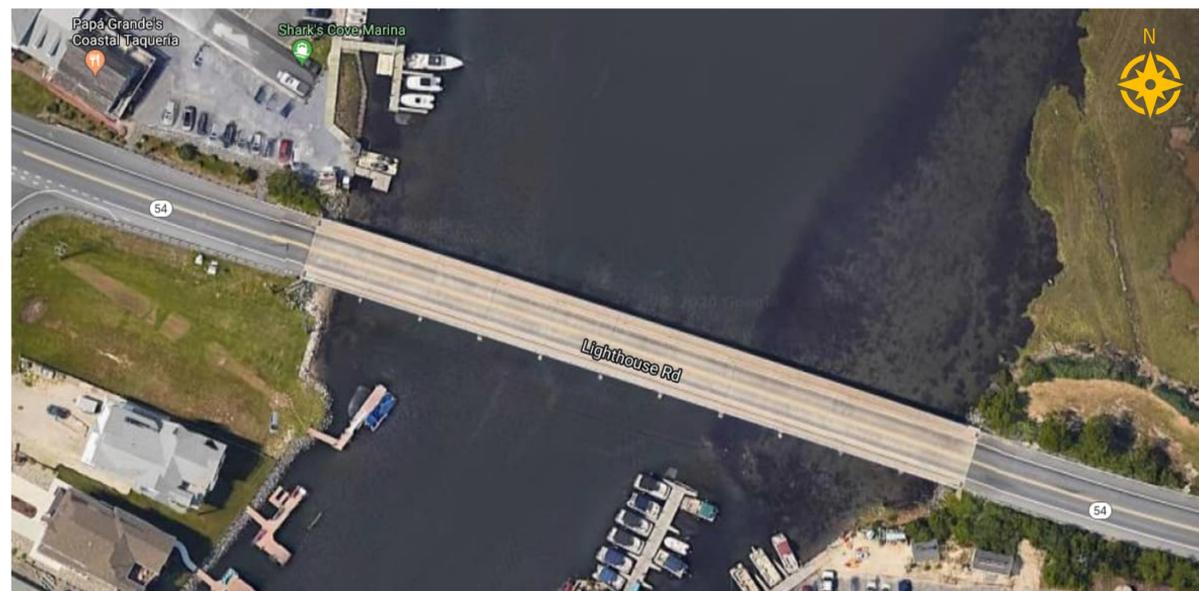
Deterioration within Voided Slabs Including Spalled Concrete and Section Loss in Steel Strands



Deterioration in Concrete Abutments



Cracking and Spalls in Piers and Corroded Pile Casing

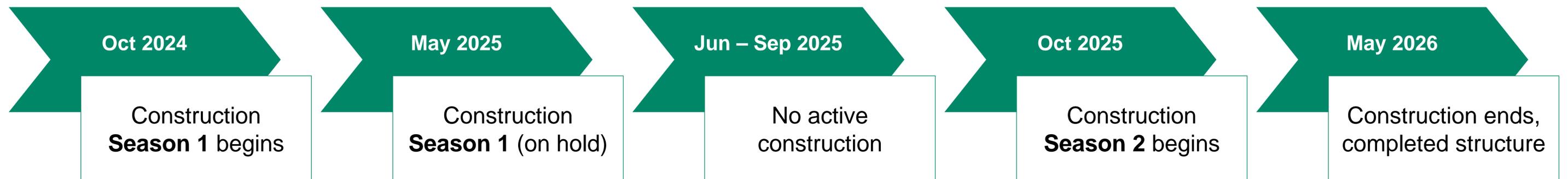
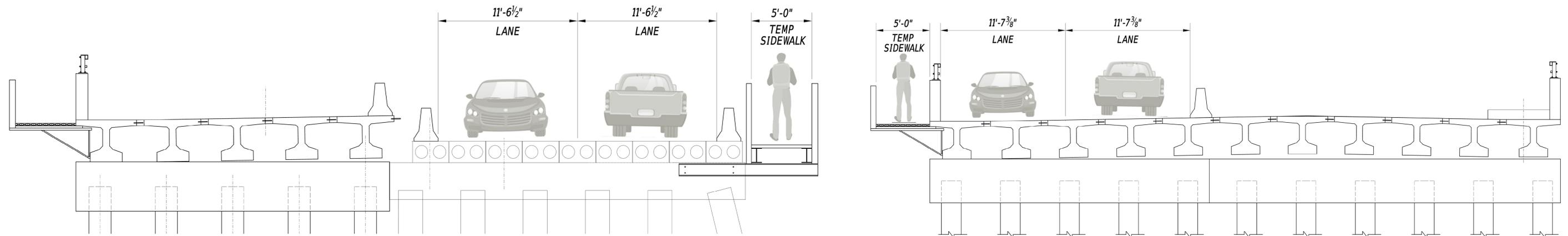


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Schedule

Season 1 Construction on Hold May 2025

Season 2 Construction Begin October 2025

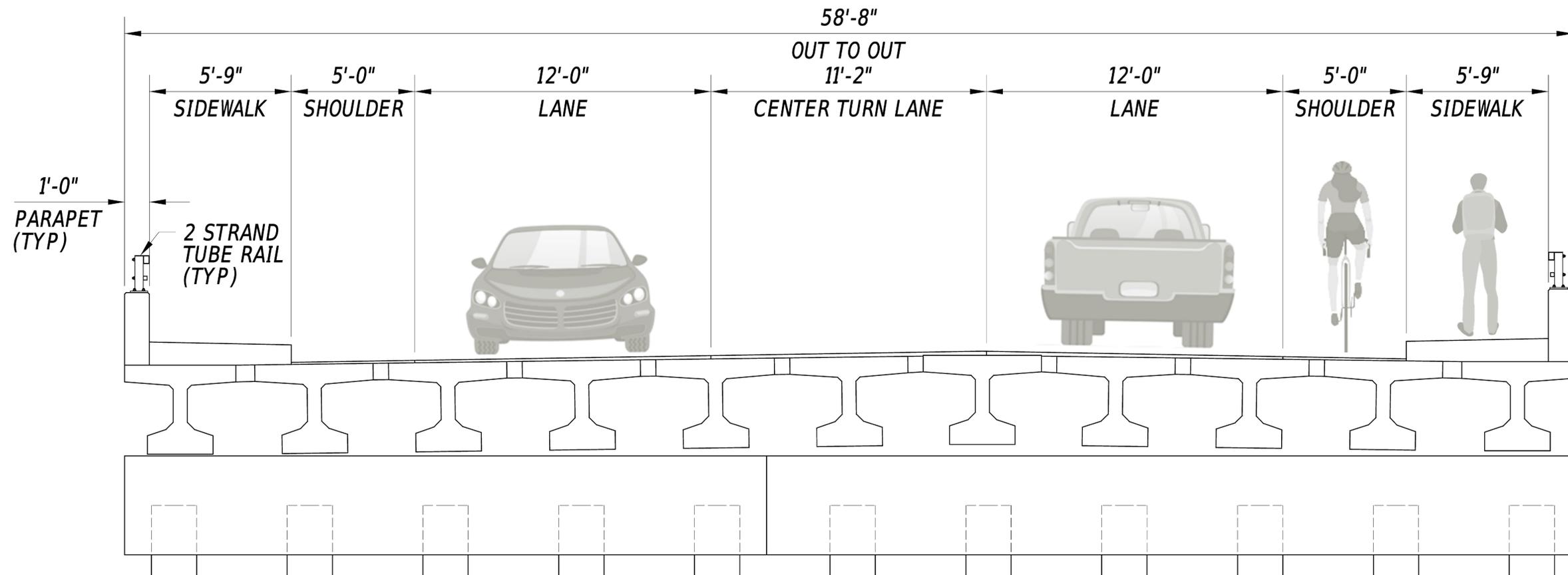


Completion of the Project by May 2026 is contingent on gaining some flexibility with the environmental restrictions. Agency coordination is ongoing to confirm that this flexibility is possible, but if not, the project completion could be delayed.

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Proposed Cross Section

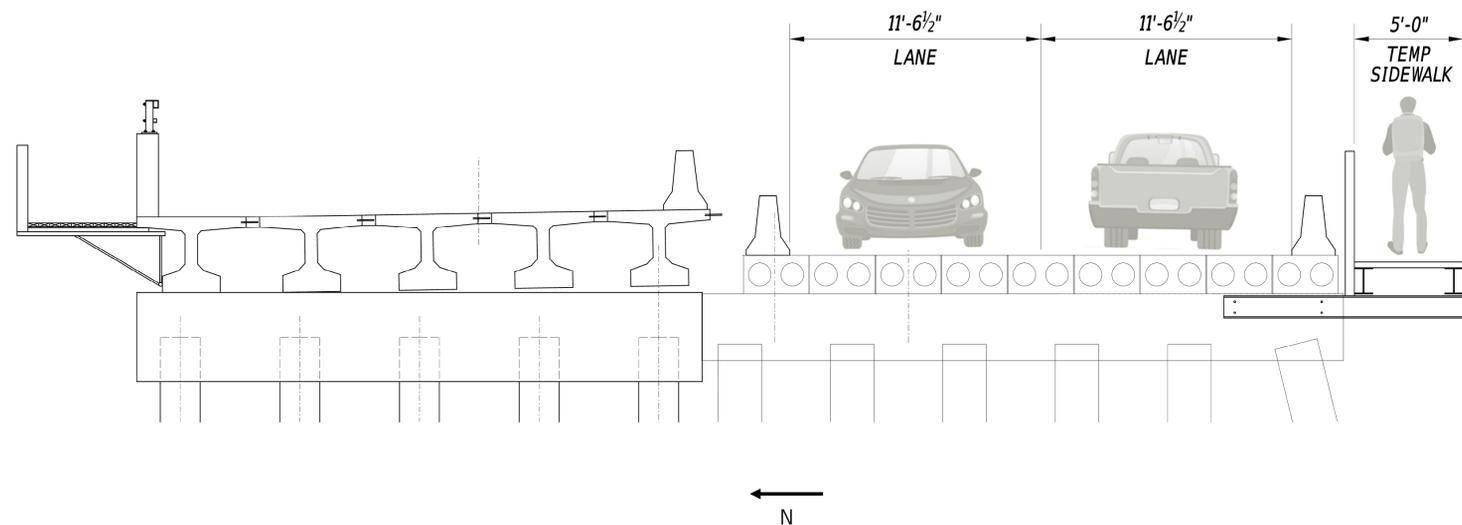
- 58'-8" Out-to-Out
- 12' Travel Lanes
- 11'-2" Median (can be used as second outgoing lane in evacuation)
- Provides Increased Sidewalk Widths of 5' – 9" on Each Side
- Provides 5' – 0" Shared Use Bicycle Lane / Shoulder on Each Side



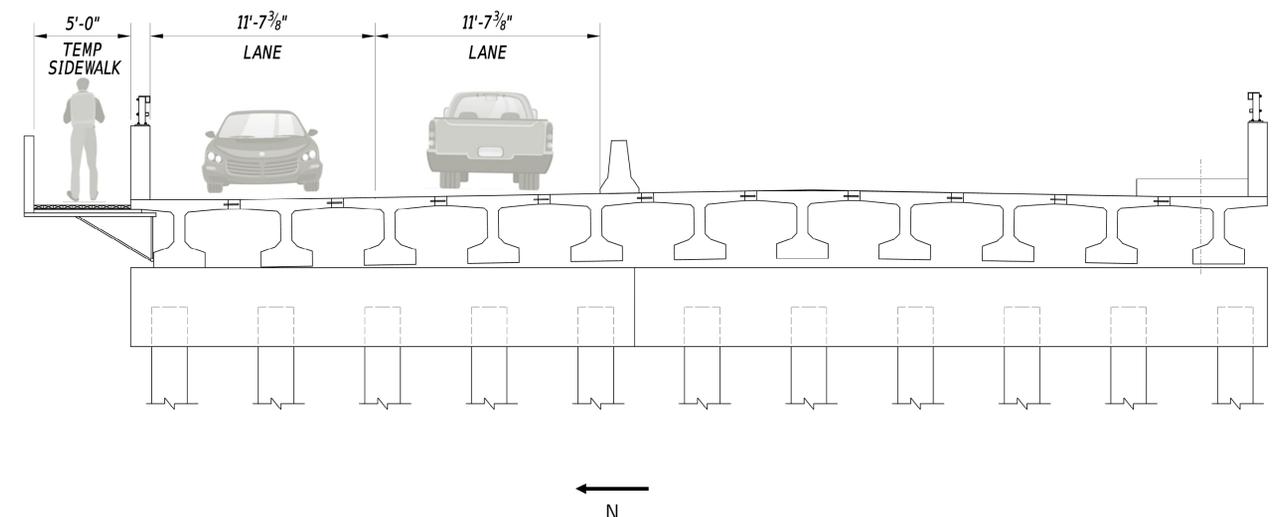
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Impacts to Traveling Public

- 2 Lanes of Traffic and One Sidewalk Maintained Throughout Construction
- **Construction Active:**
 - Construction Season 1 (North Side): October 2024 – May 2025
 - Construction Season 2 (South Side): October 2025 – May 2026
- **Construction will be on hold during the peak summer season:**
 - June 2025-September 2025



Construction Season 1

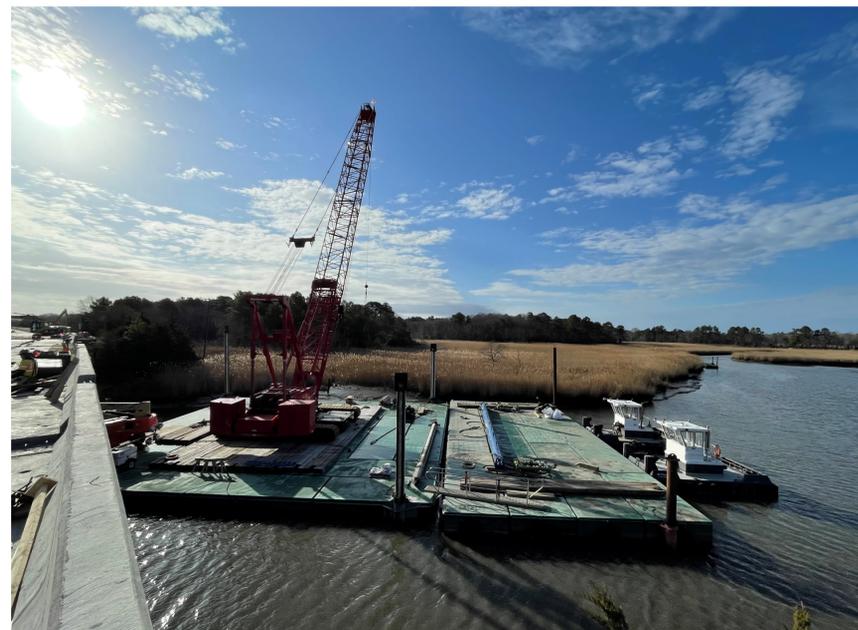
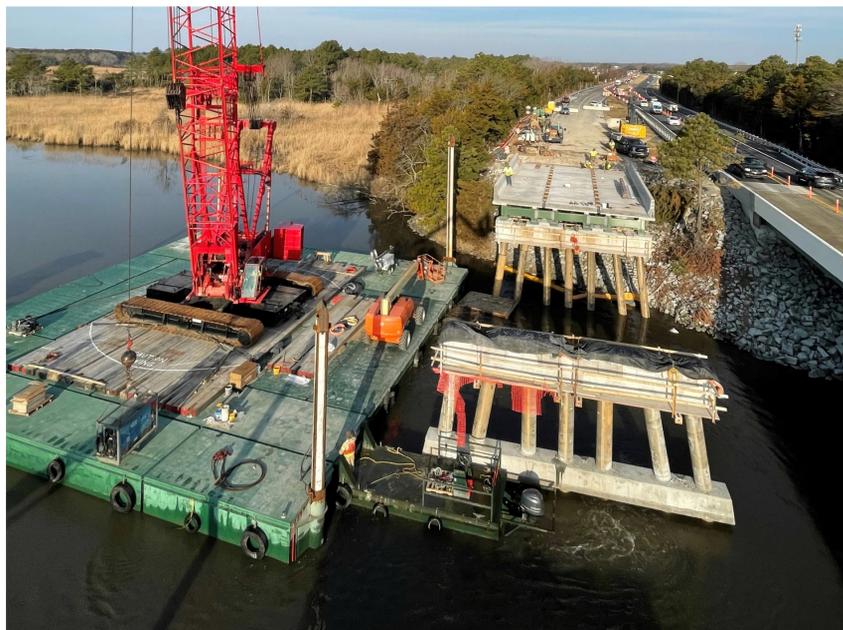
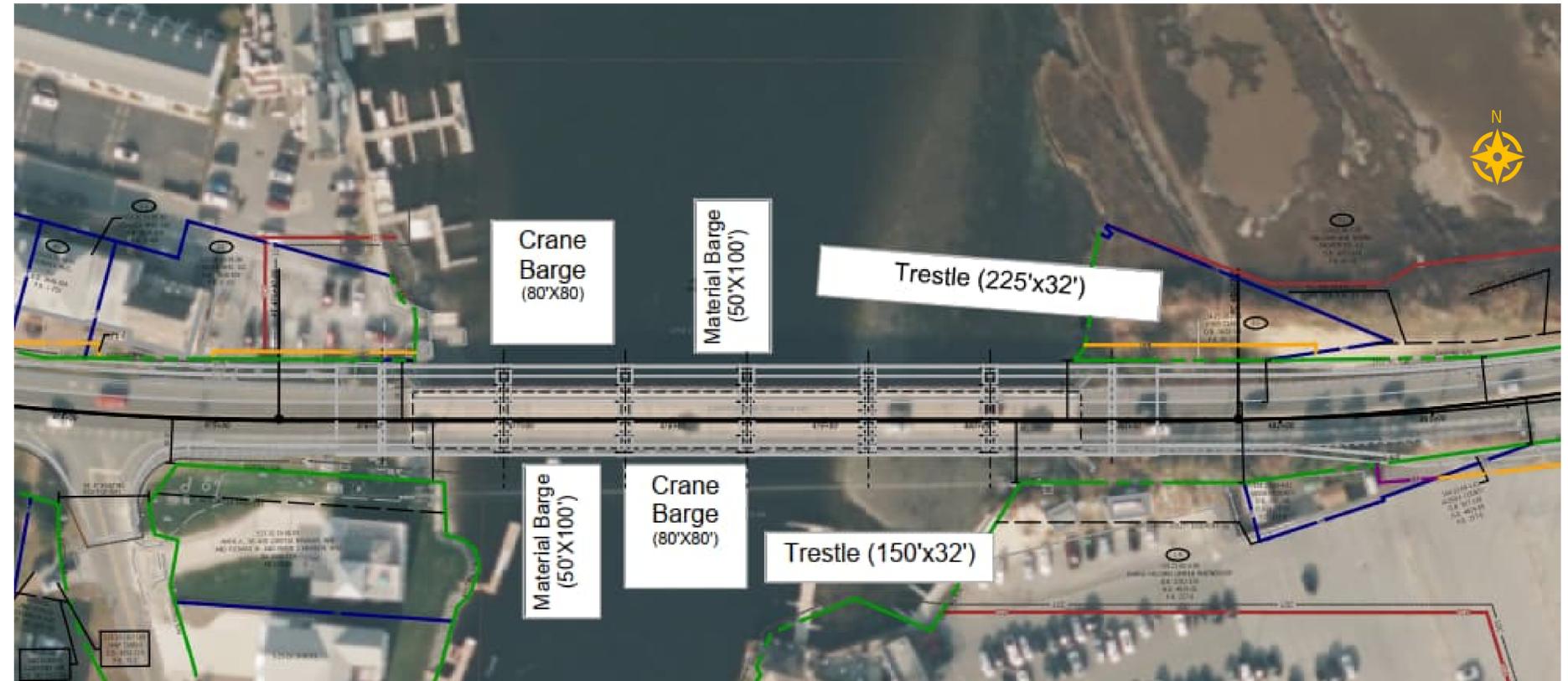


Construction Season 2

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Impacts to Mariners

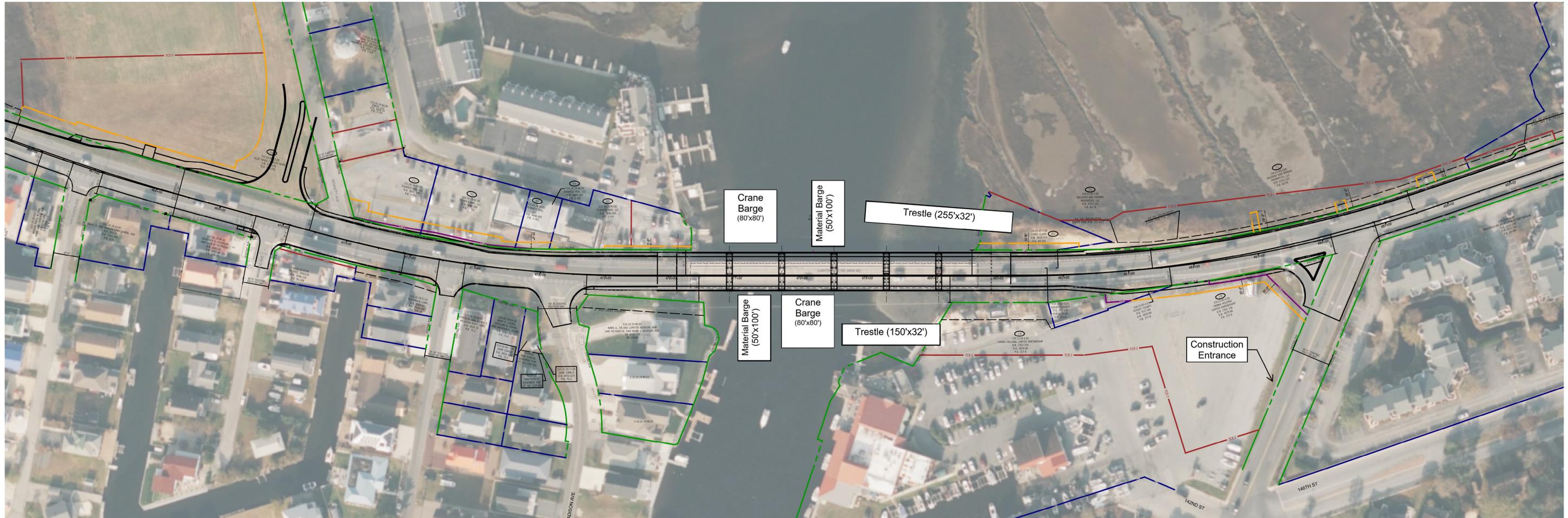
- Maintaining vertical clearance and increasing horizontal navigation clearance
- Temporary closures of the waterway will be required for some construction efforts. Contractor will be responsible for US Coast Guard coordination and compliance
- Work will be completed from barges and causeway in waterway. Some Docks will be impacted.



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Anticipated Impacts to Property Owners

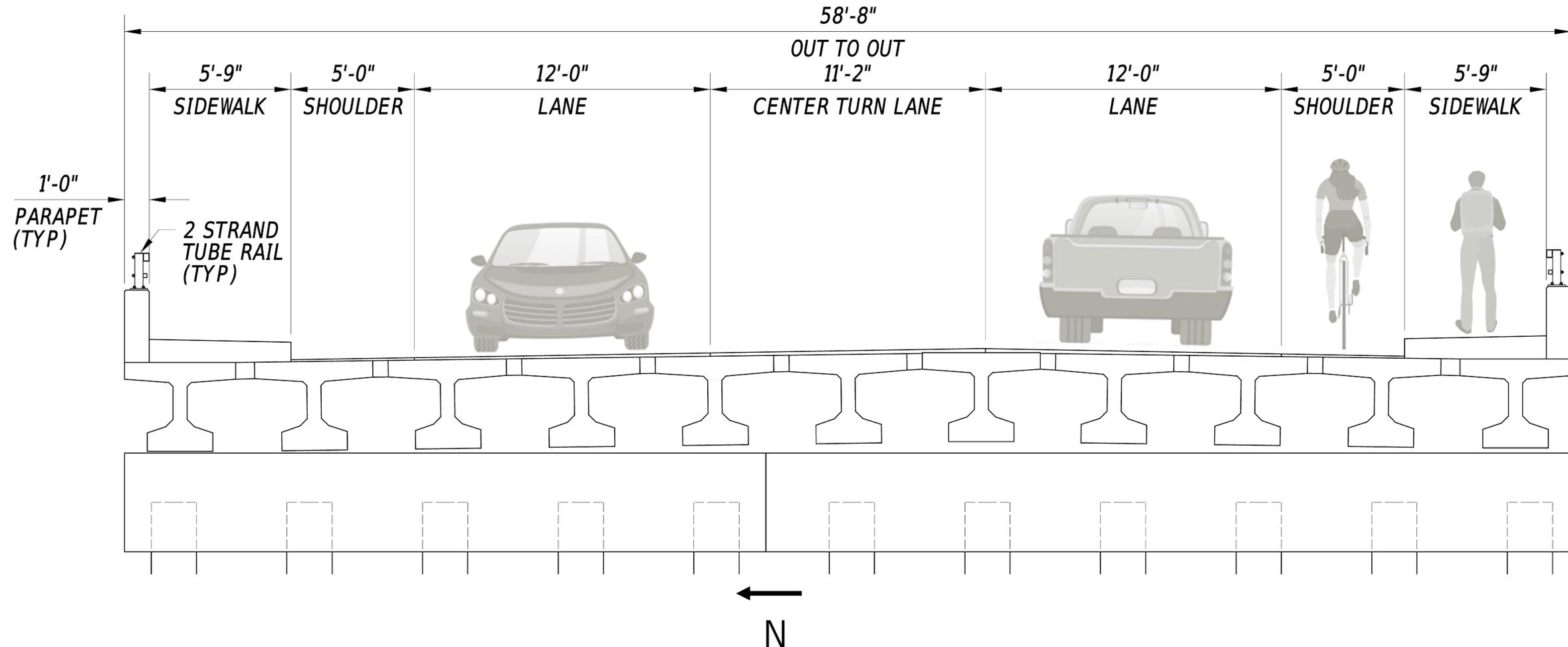
**Preliminary Impact Areas are Outlined. Impacts to Adjacent Properties are Being Refined as Design Advances.



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Benefits to Public

- Improved Bridge Cross-Section – Shared Use Bike Lane/Shoulder, Center Lane and Widened Sidewalk
- Addition of Sidewalk on all 4 Corners of Bridge
- Improvements to Bennett Ave and Dukes Ave Intersections
- Aesthetic Options are Being Evaluated for Incorporation Into Project



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General Plan and Elevation

